

# ANNUAL REPORT

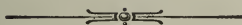
ON THE

SANITARY CONDITION

OF THE

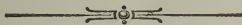
FYLDE RURAL DISTRICT,

FOR THE YEAR 1909.



CHARLES COURT, M.B.,

*Medical Officer of Health.*



KIRKHAM:

PRINTED BY J. RIGBY, POULTON STREET AND BIRLEY STREET.  
1910,

# ANNUAL REPORT

ON THE

## SANITARY CONDITION

OF THE

## FYLDE RURAL DISTRICT,

FOR THE YEAR 1909.

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*To the Chairman and Members of the Fylde Rural  
District Council.*

GENTLEMEN,

I have much pleasure in submitting to you my EIGHTH ANNUAL REPORT on the Health and General Sanitary Conditions of your district. This Report will contain an account of the various influences affecting injuriously the health of the community and the measures taken to combat them; also the various Tables of Vital Statistics.

The area of the district dealt with in this Report is, according to the Census return, 38,768 acres, and the population is estimated at 11,550, an increase of 162 on last year's figures, being made up by an increase of births over deaths of 122 and an addition of 40 new residents. The excess of births over deaths took place in—Fleetwood sub-district 18, Blackpool sub-district 36, and Kirkham sub-district 68. The increase in the population also took place in the following sub-districts:—10 in Fleetwood, 10 in Kirkham, and 20 in Blackpool.

This population is exclusive of the inmates of the Fylde Union Workhouse, the number of whom being 270. The total number of deaths in the Workhouse during the year was 49, but only 4 were amongst persons removed to the Workhouse from this district. The remainder belonged to—Blackpool 24, Fleetwood 8, Kirkham 6, Poulton-le-Fylde 2, Thornton 2, Lytham 1, Dewsbury 1, and Bolton 1. Particulars of these deaths have been forwarded to the Medical Officers of Health of the districts concerned.

DEATHS IN MOSS SIDE HOSPITAL.—25 deaths took place in the Hospital, 13 of persons belonging to the rural district and 12 belonging to other districts, viz. :—Fleetwood, 2 ; Kirkham, 1 ; St. Annes-on-the-Sea, 2 ; Poulton-le-Fylde, 1 ; Thornton, 1 ; Lytham, 4 ; Rochdale, 1.

#### SECTION I.

### VITAL STATISTICS.

BIRTHS.—During the year ended December 31st last, the number of births registered in the district amounted to 281, as compared with 287 last year, a decrease of 6. The birth-rate corresponded to 24·3 per 1,000 of the estimated population, against 25·2 last year, 27·0 in 1907, 22·2 in 1906, 24·3 in 1905, and an average of 25·9 for the ten years 1899–1908. Illegitimate births numbered 31—males, 13 ; females, 18. Below are given the number of births in each of the four registration sub-districts, and also the sex distribution :—

Sub-Districts				Males		Females		Total
Fleetwood	...	...	...	15	...	17	...	32
Blackpool	...	...	...	36	...	33	...	69
Kirkham	...	...	...	83	...	96	...	179
Lytham	...	...	...	1	...	—	...	1
Whole District				...	135	146	...	281

Tables I. and II. appended give the number of births and the birth-rates for 1909 and the preceding decade.

## MORTALITY.

DEATHS.—The total number of deaths registered in the district during the year under review was 212, exactly the same as last year. To ascertain the nett deaths at all ages actually belonging to the Fylde Rural District, 45 deaths in the Fylde Union Workhouse, and 12 deaths in the Joint Hospital at Moss Side (all of persons not belonging to the district) must be excluded, and 4 deaths have to be added which occurred in the Preston Infirmary, &c., of persons belonging to this area. The total number of deaths belonging to the district was, therefore, 159, or 2 more than in the preceding year. The death-rate calculated per 1,000 of the population corresponded to 13·7, a figure identical with last year's average, and 0·1 above the mean of the preceding decennial period.

Tables I., II., IV. and V. give further details of the deaths and death-rates.

The distribution of deaths in 1909 was as under :—

Sub-Districts	Males	Females	Total
Fleetwood ... ..	4	10	14
Blackpool ... ..	11	22	33
Kirkham ... ..	52	59	111
Lytham ... ..	—	1	1
	<hr/>	<hr/>	<hr/>
Whole District ...	67	92	159

Below I give the corrected number of deaths in each township, with the death-rate per 1,000 of the population :—

	Number of Deaths	Rate per 1,000 per annum
Carleton ... ..	8	9·4
Singleton ... ..	4	10·0
Elswick ... ..	2	7·2
Little Eccleston-with-Larbreck	0	0
Marton ... ..	23	14·8
Hardhorn, Staining and Newton	10	14·3
Freckleton ... ..	17	12·2
Medlar-with-Wesham ... ..	44	21·9

Bryning-with-Kellamergh	...	2	...	14·8
Clifton-with-Salwick	...	5	...	11·3
Greenhalgh-with-Thistleton	...	6	...	13·8
Newton-with-Scales	...	4	...	16·2
Ribby-with-Wrea	...	11	...	19·1
Treales, Roseacre and Wharles		5	...	9·5
Warton	...	5	...	10·3
Weeton-with-Preese	...	5	...	12·6
Westby-with-Plumpton	...	7	...	11·9
Little Marton	...	1	...	2·6
<hr/>				
Whole District	...	159		13·7

EPIDEMIC DEATH-RATE.—The seven principal Epidemic Diseases contributed 17 deaths, against 10 deaths in 1908 and 6 deaths in 1907. Diphtheria (including Membranous Croup) was responsible for 7 deaths, Enteric Fever 6 deaths, Scarlet Fever 2 deaths, and Diarrhoea 2 deaths. The Epidemic death-rate equalled 1·47 per 1,000; last year it was 0·87, 0·53 in 1907, 1·08 in 1906, 1·30 in 1905, 0·75 in 1904, and 1·48 in 1903.

PHTHISIS (Pulmonary Tuberculosis) gave rise to 4 deaths' corresponding to a death-rate of 0·34 per 1,000, as compared with 5 deaths and a rate of 0·43 last year, and 11 deaths and a rate of 0·97 in 1907.

RESPIRATORY DISEASES, including Bronchitis, Pneumonia and Pleurisy, were accredited with 19 deaths, or 12 less than in 1908. The rate per 1,000 was 1·64, as compared with 2·72 last year, 1·95 in 1907, and 1·90 in 1906.

INFANTILE MORTALITY.—Deaths amongst children under the age of one year, 20 in number, were fewer than in any previous year, and the death-rate, calculated per 1,000, 71. Births, the lowest on record.

Table V. appended analyses the causes of deaths amongst infants, and gives the ages at death in weeks and months.

	1909	1908	1907	1906	1905	1904
Birth-rate .. ..	24·3	25·2	27·0	22·2	24·3	25·6
Death-rate (corrected) ..	13·7	13·7	12·5	12·0	12·1	11·9
Epidemic Death-rate ..	1·47	0·87	0·53	1·08	1·30	0·75
Phthisis ..	0·34	0·43	0·97	—	0·27	0·56
Respiratory ..	1·64	2·72	1·95	1·90	1·58	1·60
Rate of deaths under 1 year per 1,000 births..	71	111	75	117	99	98

## SECTION II.

### EPIDEMIC DISEASES.

During the year there have been 157 cases of Epidemic Diseases notified, an increase of 82 on the preceding year, when the number was 75. The cases notified consisted of 82 Scarlet Fever, 14 Enteric Fever, 58 Diphtheria, and 3 of Erysipelas.

The following summary gives the notifications of Epidemic Diseases during the last five years:—

	1909	1908	1907	1906	1905
Scarlet Fever ... ..	82	39	12	11	13
Enteric Fever ... ..	14	14	6	10	5
Diphtheria ... ..	58	18	14	9	5
Erysipelas ... ..	3	2	0	2	7
Puerperal Fever ... ..	0	2	0	1	0
Cholera ... ..	0	0	1	0	0
	<hr/> 157	<hr/> 75	<hr/> 33	<hr/> 33	<hr/> 30

The following table gives the distribution and the months in which the Epidemic Diseases occurred:—

Jan.	{	Scarlet Fever—Wesham 1, Moss Side 1, Marton 1	..	..	
	{	Enteric „ —Marton 2	..	..	..
	{	Diphtheria —Warton 9, Kellamergh 2	..	..	..
					16
Feb.	{	Scarlet Fever—Wesham 1, Marton 2	..	..	..
	{	Enteric „ —Wesham 3	..	..	..
	{	Diphtheria —Warton 3, Wrea Green 3	..	..	..
					12
Mar.	{	Scarlet Fever—Singleton 1	..	..	..
	{	Enteric „ —Wesham 4	..	..	..
	{	Diphtheria —Wesham 2, Warton 1	..	..	..
					8
April	{	Scarlet Fever—Singleton 2, Weeton 1, Marton 4, Carleton 1	..		
	{	Enteric „ —Nil	..	..	..
	{	Diphtheria —Wesham 3	..	..	..
					11

May	{	Scarlet Fever—Singleton 2	..	..	..	..	..	..	..	17
		Enteric „ —Nil	..	..	..	..	..	..	..	
		Diphtheria —Wesham 7, Singleton 8	..	..	..	..	..	..	..	
June	{	Scarlet Fever—Nil	..	..	..	..	..	..	..	8
		Enteric „ —Freckleton 2	..	..	..	..	..	..	..	
		Diphtheria —Wesham 4, Marton 1, Singleton 1	..	..	..	..	..	..	..	
July	{	Scarlet Fever—Wrea Green 1, Singleton 2	..	..	..	..	..	..	..	5
		Enteric „ —Freckleton 1	..	..	..	..	..	..	..	
		Diphtheria —Wesham 1	..	..	..	..	..	..	..	
Aug.	{	Scarlet Fever—Wesham 5	..	..	..	..	..	..	..	7
		Enteric „ —Elswick 1	..	..	..	..	..	..	..	
		Diphtheria —Carleton 1	..	..	..	..	..	..	..	
Sept.	{	Scarlet Fever—Wesham 1, Carleton 2, Singleton 2	..	..	..	..	..	..	..	9
		Enteric „ —Nil	..	..	..	..	..	..	..	
		Diphtheria —Freckleton 1, Wesham 3	..	..	..	..	..	..	..	
Oct.	{	Scarlet Fever—Wesham 5, Carleton 1, Marton 2, Wrea Green 1,								13
		Westby 1, Clifton 1	..	..	..	..	..	..	..	
		Enteric „ —Nil	..	..	..	..	..	..	..	
		Diphtheria —Carleton 1	..	..	..	..	..	..	..	
Nov.	{	Scarlet Fever—Wesham 3, Moss Side 1, Staining 1, Marton 2,								33
		Wrea Green 4, Westby 1, Medlar 3, Esprick 1,								
		Thistleton 4, Newton-with-Scales 7	..	..	..	..	..	..	..	
		Enteric „ —Nil	..	..	..	..	..	..	..	
		Diphtheria —Wesham 3, Elswick 1, Marton 1	..	..	..	..	..	..	..	
		Erysipelas —Wesham 1	..	..	..	..	..	..	..	
Dec.	{	Scarlet Fever—Wesham 1, Marton 1, Wrea Green 2, Moss Side								18
		1, Esprick 2, Greenhalgh 1, Medlar 5	..	..	..	..	..	..	..	
		Enteric „ —Marton 1	..	..	..	..	..	..	..	
		Diphtheria —Wesham 2	..	..	..	..	..	..	..	
		Erysipelas —Hardhorn 1, Marton 1	..	..	..	..	..	..	..	
Total..										157

## SCARLET FEVER.

Cases, 82. Deaths, 2.

During the first six months of the year there were 17 cases of this disease notified ; but in the latter half of the year the number of notifications was largely increased, there being 65 received.

As during the end of 1908 there were a few cases of Scarlet Fever in the districts of Wesham and Marton, this disease continued its course throughout nearly the whole year, and in almost every village, increasing in intensity, especially during the last three months of the year.

All of the cases, with the exception of 14, were removed to the Moss Side Hospital. Two cases occurred among the Nurses on



the Hospital Staff, and two cases were admitted from the Fylde Union Workhouse, one a Nurse and the other an Inmate.

### DIPHTHERIA.

Cases, 58. Deaths, 7.

Like Scarlet Fever there have been several cases of Diphtheria at the end of the preceding year. In January, February and March, 18 cases were notified in Warton, Kellamergh and Wrea Green, viz. : 13 in Warton, 2 in Kellamergh and 3 in Wrea Green. This epidemic, no doubt, owed its origin to a case in November of the preceding year, when no medical attendance was called in. This case returned to school in Warton on December 23rd, 1908, then her sister became ill, a doctor was called in to this case, and it was notified as Diphtheria and removed to the Isolation Hospital, and died on the 25th December ; her sister next contracted the disease, was removed to the Hospital, and recovered. The next three cases in Warton, in one family,—one child became ill on January 1st, 1909, no doctor was called in ; her brother went to school till January 11th, then became ill, a doctor was called in, and these cases were ultimately notified as Diphtheria. From the foregoing history we may conclude that attendance at school had a considerable influence in producing the epidemic. The school was closed for six weeks, and all precautions taken to stamp the disease out. After the school was re-opened no fresh cases occurred.

Of the total 58 cases, 35 were removed to Moss Side Hospital, all of whom recovered except 5, viz. : 2 from Warton, 2 from Wrea Green, and 1 from Freckleton.

Of the cases treated in Hospital there were five deaths. Of the remainder treated at their homes there were three deaths.

In regard to the origin of most of the cases, excluding those who had derived the disease by infection, defective drainage, offensive privies and ashpits had contributed as a cause. In all these insanitary conditions new drains were laid, and in one house at Warton where the drinking water was impure Fylde water was attached.



## TYPHOID FEVER.

Cases, 14. Deaths, 6.

Of this disease, 7 occurred in Wesham, 3 each in Marton and Freckleton, and 1 in Elswick. The first cases, two in number, occurred in January in Marton. In these no local cause could be found. The next were 7 cases in Wesham in February and March. Four cases occurred in one house ; here there were defective drains and closet ; this has been notified, and a water-closet put in. The next case (in Wesham), no local cause could be found ; but it was ascertained that this case had helped to attend the preceding four cases, and doubtless had contracted the disease in this way. The next case, also in Wesham ; there was defective drainage, which has since been notified. The last case in Wesham derived the disease from his work, the closets there being wrong at that time. Of the remainder of the cases, defective drainage and stagnant pools of urine had caused the outbreak of the disease ; these conditions have since been remedied.

Twelve of the cases were removed to the Hospital, and two were treated at home—one at Freckleton and one at Elswick.

## INFECTIOUS HOSPITALS.

Two in number, one at Moss Side, the Fylde Joint Isolation Hospital ; the other the Small-pox Hospital at Elswick, a Joint Hospital for Preston, Garstang and the Fylde.

There have been admitted into the Isolation Hospital at Moss Side, during the year, 303 cases of Infectious Diseases, viz. : 200 of Scarlet Fever, 68 of Diphtheria, and 35 of Typhoid Fever ; an increase of 117 on the preceding year, when there were 186 cases in all—114 of Scarlet Fever, 22 of Diphtheria, and 48 of Typhoid Fever. The following table shows from which district the cases were admitted :—

		Scarlet Fever		Diphtheria		Typhoid Fever		Total
Fylde Rural	...	69	...	31	...	12	...	112
Kirkham	...	12	...	4	...	6	...	22
Lytham	...	20	...	7	...	4	...	31
St. Annes	...	24	...	12	...	6	...	42
Fleetwood	...	39	...	13	...	2	...	54
Poulton	...	10	...	1	...	1	...	12
Thornton	...	6	...	—	...	4	...	10
Bispham	...	20	...	—	...	—	...	20
		<hr/> 200		<hr/> 68		<hr/> 35		<hr/> 303

Of the 303 cases treated in the Hospital there were 25 deaths—6 of Scarlet Fever, 10 of Typhoid Fever, and 9 of Diphtheria.

### SECTION III.

### GENERAL WORK.

Owing to the prevalence of Epidemic Diseases throughout the year, schools have had to be closed for varying periods in the following townships and months:—

In Jan.—Warton .....	2 weeks for Diphtheria.
„ Feb.— „ .....	2 „
„ „ —Wrea Green .....	2 „
„ Mar.— „ .....	2 „
„ May—Singleton .....	2 „
„ June— „ .....	2 „
„ Nov.—Newton-with-Scales....	4 weeks for Scarlet Fever.
„ „ —Wrea Green .....	2 „
„ „ —Esprick .....	2 „
„ Dec.— „ .....	2 „

In all these schools the Inspector disinfected and took all steps to prevent the spread of the disease.

Owing to the insanitary and defective condition of the drainage on the property at the corner of Garstang Road and Segar Street, Wesham, the sewers were taken out and relaid. The same work was done in the back passages between the properties in

Rawlinson Street and Porter Street East, also in the properties adjoining this ; in all, 33 houses were re-drained and 28 common privies converted into water closets, the other five having been previously done. As there have been several cases of Infectious Diseases in the immediate vicinity of the above-named streets, I must congratulate the Council in so well supporting the officers in getting this much-needed improvement so successfully done, and your officers hope to receive the same support in any similar cases that may occur.

SLAUGHTER-HOUSES.—These have been found, on inspection, to be in a fairly satisfactory condition, with the exception of one, where the floor, which was of concrete, had become broken, thus necessitating a new floor. At three others the Inspector had to caution the occupiers as to cleanliness.

An outbreak of Anthrax occurred in October at a farm in Salwick ; one cow died, the carcase was destroyed by heat, and the shippens thoroughly disinfected. Also an outbreak of Glanders took place in a farm at Marton ; one horse was destroyed after the Mallein Test had been applied, the carcase destroyed by heat, and the stable disinfected. No further outbreaks have occurred.

BAKE-HOUSES.—No complaints.

#### FACTORY AND WORKSHOP ACTS.

Factories—Number of Inspections	...	...	...	...	2
Workshops	„	„	...	...	10
Defects found	...	...	...	...	1
Reported by other authorities	...	...	...	...	2

I remain,

Yours obediently,

CHARLES COURT.

## (1.) VITAL STATISTICS OF WHOLE DISTRICT during 1909 and previous years.

YEAR	Population of each year to middle of each year	BIRTHS		TOTAL DEATHS REGISTERED IN THE DISTRICT				Deaths of Non-Residents				NET DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
		Number	Rate*	Under One Year of age		At all Ages		Total Deaths in the District	Deaths registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Number	Rate*	
				Number	Rate per 1,000 Births registered	Number	Rate*						
1	2	3	4	5	6	7	8	9	10	11	12	13	
1899.....	16,102	450	27.9	58	128	250	15.5	..	..	..	250	15.5	
1900.....	11,680	333	26.2	34	122	207	15.6	..	..	..	207	15.6	
1901.....	11,220	290	25.8	33	113	167	14.8	..	..	..	167	14.8	
1902.....	11,350	322	28.3	24	74	162	14.2	8	6	2	158	13.9	
1903.....	10,479	287	26.7	36	125	156	14.5	13	3	0	159	14.7	
1904.....	10,625	273	25.6	27	98	127	11.9	8	5	5	127	11.9	
1905.....	10,756	262	24.3	26	99	129	11.9	3	2	4	131	12.1	
1906.....	11,045	246	22.2	26	117	141	12.7	11	11	3	133	12.0	
1907.....	11,258	304	27.0	23	75	167	14.8	31	28	2	141	12.5	
1908.....	11,388	287	25.2	32	111	212	18.6	62	58	3	157	13.7	
Averages for years 1899-1908	11,590	305	25.9	32	106	171	14.4	..	..	..	163	13.6	
1909.....	11,550	281	24.3	20	71	212	18.3	74	57	4	159	13.7	

\* Rates in Columns 4, 8 and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)..... 38,768  
 Total population at all ages..... 11,251 } At Census of 1901.  
 Number of inhabited houses ..... 2,317 }  
 Average number of persons per house .. 4.9

Institutions within the District receiving sick and infirm persons from outside the District—Fylde Union Workhouse, Wesham, Kirkham, Fylde Joint Hospital Committee's Hospital at Moss Side, and Preston, Fylde and Garstang Small-pox Hospital at Elswick.  
 Institutions outside the District receiving sick and infirm persons from the District—Victoria Hospital, Blackpool, and Royal Infirmary, Preston.

(II.) VITAL STATISTICS OF SEPARATE LOCALITIES in 1909 and previous years.

NAMES OF LOCALITIES	WHOLE DISTRICT				FLEETWOOD (Sub-District)				BLACKPOOL (Sub-District)				KIRKHAM (Sub-District)				LYTHAM (Sub-District)			
	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year
1903 ....	10,479	287	159	36	1,500	32	18	5	1,926	82	36	9	6,647	166	107	21	356	7	3	1
1904 ....	10,625	273	127	27	1,565	38	24	1	1,946	60	25	11	6,758	163	73	14	356	6	5	1
1905 ....	10,756	262	131	26	1,579	38	24	4	1,997	71	20	6	6,816	141	83	15	364	12	4	1
1906 ....	11,045	246	133	29	1,639	29	9	1	2,111	54	28	4	6,928	158	94	23	367	5	2	1
1907 ....	11,258	304	141	23	1,659	36	26	1	2,159	80	32	6	7,075	187	80	16	365	1	3	—
1908 ....	11,388	287	157	32	1,680	45	24	9	2,193	62	28	8	7,142	171	104	17	373	9	1	1
Averages of 6 Years 1903 to 1908	10,925	276	141	28	1,603	36	20	3	2,055	68	28	7	6,892	164	90	17	363	6	3	—
1909 ....	11,550	281	159	20	1,720	32	14	2	2,241	69	33	3	7,216	179	111	15	373	1	1	—

(III.) CASES OF INFECTIOUS DISEASE notified during the year 1909.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT							TOTAL CASES NOTIFIED IN EACH LOCALITY.						NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						Deaths in Hospital of Patients re-moved from this District.
	At all Ages	At Ages—Years						Fleetwood Sub-District	Blackpool Sub-District	Kirkham Sub-District	Lytham Sub-District	Fleetwood Sub-District	Blackpool Sub-District	Kirkham Sub-District	Lytham Sub-District	Total Cases Re-moved to Hospital.				
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 & up-wards													
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Group) ..	58	..	15	37	4	2	..	12	2	44	..	3	..	30	..	33	..	..	6	..
Erysipelas.....	3	..	1	..	1	1	..	1	1	1	..	..	..	..	..	69	..	..	1	..
Scarlet Fever .....	82	..	11	48	22	1	..	12	14	56	..	11	9	49	..	69	..	..	..	..
Typhus Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever .....	14	..	1	6	1	6	..	1	3	10	..	..	3	9	..	12	..	..	9	..
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS.....	157	28	91	28	10	10	..	26	20	111	..	14	12	88	..	114	..	..	13	..

Isolation Hospital.—Moss Side Isolation Hospital (Joint). Elswick (Small-pox).

(IV.) CAUSES OF, AND AGES AT, DEATH  
during year 1909.

Causes of Death  1	Deaths at the subjoined ages of "Residents," whether occurring in or beyond the District							Deaths at all ages of "Residents" belong- ing to Localities, whether occurring in or beyond the District				Total Deaths whether of Residents or non "Residents" in Public Institutions in the District
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Fleetwood	Blackpool	Kirkham	Lytham	
2	3	4	5	6	7	8	9	10	11	12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	2	..	2	..	..	..	..	..	2	..	..	6
Whooping Cough .....	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Membranous Croup .....	7	..	3	4	..	..	..	..	7	..	..	9
Croup .....	2	..	2	..	..	..	..	..	2	..	..	1
Fever { Typhus .....	6	..	..	..	..	..	..	..	..	..	..	..
{ Enteric .....	6	..	..	2	1	3	..	..	6	..	..	10
{ Other Continued ..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza .....	3	..	..	..	1	1	1	..	3	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	2	1	..	1	..	..	..	1	..	1	..	..
Enteritis .....	1	1	..	..	..	..	..	..	1	..	..	..
Puerperal Fever .....	1	..	..	..	1	..	..	..	1	..	..	..
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..
Other Septic Diseases .....	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis, Pulm. Tuberculosis ..	4	..	..	..	..	4	..	..	2	2	..	2
Other Tubercular Diseases ..	7	3	4	..	..	..	..	..	2	5	..	1
Cancer, Malignant Disease ..	6	..	..	..	..	5	1	..	2	4	..	3
Bronchitis .....	8	1	1	..	..	1	5	1	7	..	..	..
Pneumonia .....	11	2	2	..	..	3	4	1	3	6	1	4
Pleurisy .....	..	..	..	..	..	..	..	..	..	..	..	3
Other Diseases of Respira- tory Organs .....	1	..	1	..	..	..	..	..	1	..	..	1
Alcoholism, Cirrhosis of Liver .....	1	..	..	..	..	1	..	..	1	..	..	..
Veneral Diseases .....	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth .....	2	2	..	..	..	..	..	1	..	1	..	..
Diseases and Accidents of Parturition .....	2	..	..	..	1	1	..	..	2	..	..	..
Heart Diseases .....	18	..	..	..	..	13	5	1	5	12	..	6
Accidents .....	6	..	1	2	..	1	2	..	..	6	..	1
Suicides .....	2	..	..	..	..	1	1	..	..	2	..	..
Old Age .....	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System ..	..	..	..	..	..	..	..	..	..	..	..	..
Debility .....	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Kidneys .....	..	..	..	..	..	..	..	..	..	..	..	..
All other causes .....	67	10	3	2	4	15	33	9	16	42	..	27
All causes .....	159	20	19	11	8	49	52	14	33	111	1	74



(V.) *INFANTILE MORTALITY*

## Deaths from stated Causes in Weeks

CAUSE OF DEATH	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month
<b>COMMON INFECTIOUS DISEASES—</b>					
Small-pox .. .. .	..	..	..	..	..
Chicken-pox .. .. .	..	..	..	..	..
Measles .. .. .	..	..	..	..	..
Scarlet Fever .. .. .	..	..	..	..	..
Diphtheria : Croup .. .. .	..	..	..	..	..
Whooping Cough .. .. .	..	..	..	..	..
<b>DIARRHOEAL DISEASES—</b>					
Diarrhoea, all forms .. .. .	..	..	..	..	..
Enteritis, Muco-Enteritis, Gastro-Enteritis .. .. .	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh .. .. .	..	..	..	..	..
<b>WASTING DISEASES—</b>					
Premature Birth .. .. .	2	..	..	..	2
Congenital Defects .. .. .	..	..	..	..	..
Injury at Birth .. .. .	..	..	..	..	..
Want of Breast-milk, Starvation .. .. .	..	..	..	..	..
Atrophy, Debility, Marasmus .. .. .	1	1	..	..	2
<b>TUBERCULOUS DISEASES—</b>					
Tuberculous Meningitis .. .. .	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica .. .. .	..	..	..	..	..
Other Tuberculous Diseases .. .. .	..	..	..	..	..
<b>OTHER CAUSES—</b>					
Erysipelas .. .. .	..	..	..	..	..
Syphilis .. .. .	..	..	..	..	..
Rickets .. .. .	..	..	..	..	..
Meningitis ( <i>not Tuberculous</i> ) .. .. .	..	..	..	..	..
Convulsions .. .. .	..	..	..	..	..
Bronchitis .. .. .	..	..	..	..	..
Laryngitis .. .. .	..	..	..	..	..
Pneumonia .. .. .	..	..	..	..	..
Suffocation, overlaying .. .. .	..	..	..	..	..
Other Causes .. .. .	1	1	..	..	2
	4	2	..	..	6

District of FYLDE RURAL. Population  
Births in the year, 281.

during the year 1909.

and Months under One Year of Age.

1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under 1 Year
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	1	1
..	..	..	..	..	..	..	1	..	..	..	1
..	..	..	..	..	..	1	..	..	..	..	2
1	..	..	..	..	..	..	..	..	..	..	1
3	..	..	..	..	..	..	..	..	..	..	1
..	1	..	..	..	..	1	..	..	..	..	5
..	..	..	..	..	..	..	1	..	..	..	2
..	..	..	..	..	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	..	..	..	..	..	..	1
..	1	..	..	..	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	1	..	..	..	..	..	1	2
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	2
4	2	..	..	2	..	2	2	..	..	2	20

(estimated to middle of 1909), 11,550.

Deaths from all Causes at all Ages, 159.

# FYLDE RURAL DISTRICT COUNCIL.



*To the Chairman and Members of the Fylde Rural  
District Council.*

GENTLEMEN,

I have great pleasure in submitting to you the Annual Report and Summary of work done within your district for the year ending 31st December, 1909, this being my Twentieth Annual Report.

## PUBLIC HEALTH ACT.

Total number of Preliminary Notices	...	...	...	81
Second Notices served by order of Council	...	...	...	10
Special Reports	...	...	...	17
New drains put in for waste and refuse water	...	...	...	49
Existing drains opened, cleaned and rectified	...	...	...	15
Backyards cleaned of filthy matter	...	...	...	1
Offensive ashpits rectified	...	...	...	64
Defective water-closets repaired	...	...	...	4
Offensive privies converted into water-closets	...	...	...	48
Offensive privies improved	...	...	...	27
New privies provided	...	...	...	3
Privies and ashpits cleaned under notice	...	...	...	24
Sink, bath and lavatory pipes repaired and disconnected from drains, and made to discharge over gully traps	...	...	...	3
Nuisances arising from stagnant sewage abated	...	...	...	1
Accumulations of manure removed	...	...	...	1
Sewage tanks cleaned	...	...	...	4
Sewage tanks made	...	...	...	1
Farmyards and premises drained	...	...	...	3
Dead animals and garbage removed and buried	...	...	...	2

Nuisances caused by sewage flowing on side of highway abated	...	...	...	...	...	...	...	3
Nuisances arising from pig-keeping abated	...	...	...	...	...	...	...	1
Cellars drained	...	...	...	...	...	...	...	1
Drains taken from under dwellings	...	...	...	...	...	...	...	1
Old drains tested with smoke test	...	...	...	...	...	...	...	40
New drains tested with smoke test	...	...	...	...	...	...	...	54

### SLAUGHTER-HOUSES.

These have on the whole been well kept. One has had to have a new floor put down, and at three others the occupiers had to receive cautions as to the cleaning of floors and walls.

### BAKE-HOUSES.

These have, as usual, been well kept, not giving any cause for complaint.

### INFECTIOUS DISEASES.

Number of cases enquired into	...	...	...	...	154
Dwellings disinfected after Scarlet Fever	...	...	...	...	82
„ „ Typhoid	...	...	...	...	14
„ „ Diphtheria	...	...	...	...	58
Schools fumigated after infectious diseases	...	...	...	...	8

### LEGAL PROCEEDINGS.

During the year it was only found necessary to take legal proceedings in one instance for failing to comply with notice.

### PUBLIC HEALTH (WATER ACT).

Old houses—First Notices given by Authority	...	...	...	...	9
„ Second „	...	...	...	...	0
Samples of water (supplying 13 houses) submitted for examination	...	...	...	...	3
Supply improved by putting in Fylde Water	...	...	...	...	1
„ cleaning well	...	...	...	...	1

Improved supply under consideration of owners at end of year	...	...	...	...	...	...	...	11
---	-----	-----	-----	-----	-----	-----	-----	----

### NEW HOUSES.

During the year the following new houses have been erected and passed for habitation, situate as follows :—Marton 13, Wesham 4, Carleton 2, Freckleton 1, Little Eccleston 1, making a total of 21, all of which are supplied with Fylde water.

### DAIRIES AND COW SHEDS.

These have, as usual, been well kept by the occupiers, and improvements have been effected in several instances in the way of new systems of drainage, these having been put down at three farms.

As usual, a large amount of sanitary work has been effected without having to bring the same to your notice, and for this I have to thank those owners or occupiers who have so readily acted on the recommendations made to them.

In conclusion, I wish to thank the Members of the Council for their support during the year.

I am, Gentlemen,

Yours faithfully,

**JAMES JOLLY,**

*Sanitary Inspector.*